10. (Amended) The semiconductor component according to claim 34, wherein the radiation emitted by said semiconductor body has a luminescence intensity maximum in a blue spectral region at a wavelength selected from the group consisting of $\lambda = 430$ nm and $\lambda = 450$ nm.

11. (Amended) The semiconductor component according to claim 34, which further comprises an opaque base housing formed with a recess, and wherein said semiconductor body is disposed in said recess of said base housing, and including a covering layer including said luminescence conversion element on said recess.

12. (Amended) The semiconductor component according to claim 34, which further comprises an opaque base housing formed with a recess, and wherein said semiconductor body is disposed in said recess of said base housing, and wherein said recess is at least partially filled with said luminescence conversion element.

13. (Amended) The semiconductor component according to claim 34, wherein said luminescence conversion element comprises a plurality of layers with mutually different wavelength conversion properties.

14. (Amended) the semiconductor component according to claim 34, wherein said luminescence conversion element includes organic dye molecules in a plastic matrix.

17. (Amended) The semiconductor component according to claim 34, wherein said luminescence conversion element has at least one inorganic luminescence material selected from the phosphor group.

23. (Amended) The semiconductor component according to claim 34, wherein said luminescence conversion element is provided with a plurality of mutually different materials selected from the group consisting of organic and inorganic luminescent materials.

24. (Amended) The semiconductor component according to claim 34, wherein said luminescence conversion element includes dye molecules selected from the group consisting of organic and inorganic dye molecules partly with and partly without a wavelength conversion effect.

25. (Amended) The semiconductor component according to claim 34, wherein said luminescence conversion element includes light-diffusing particles.

26. (Amended) The semiconductor component according to claim 34, which comprises a transparent encapsulation with light-diffusing particles.

27. (Amended) The semiconductor component according to claim 34, wherein said luminescence conversion element comprises at least one luminescent 4f-organometallic compound.

28. (Amended) The semiconductor component according to claim 34, wherein said luminescence conversion element includes a luminescent material that is luminescent in a blue region.

29. (Amended) The semiconductor component according to claim 34, which comprises a transparent encapsulation with a luminescent material that is luminescent in a blue region.

30. (Amended) A full-color LED display device, comprising a plurality of the light-radiating semiconductor components of claim 34 arranged in a full-color LED display.

31. (Amended) In an interior lighting of an aircraft cabin, a plurality of the light-radiating semiconductor components according to claim 34.

32. (Amended) In combination with a display device, a plurality of the semiconductor components according to claim 34 disposed to illuminate a display of the display device.

34. (Amended) A white light emitting semiconductor component, comprising:

a semiconductor body emitting electromagnetic radiation during an operation of the semiconductor component, said semiconductor body having a semiconductor layer sequence suitable for emitting blue light;

a first electrical terminal and a second electrical terminal each electrically conductively connected to said semiconductor body; and

a luminescence conversion element disposed directly on said semiconductor body and having a substantially constant thickness, said electromagnetic radiation passing through said element from one side to the other, said luminescence conversion element containing a luminescent material, said luminescence conversion element partially converting the blue light into yellow light, such that the semiconductor component emits white light including the blue light and the yellow light.--

Please add claim 38.

-- 38. The semiconductor component according to claim 34 further comprising transparent resin above said luminescense conversion element. --